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Welcome to STN International! Enter x:x

LOGINID:SSPTAVXR1614

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\*\*\*\*\* Welcome to STN International \*\*\*\*\*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	NOV 21	CAS patent coverage to include exemplified prophetic substances identified in English-, French-, German-, and Japanese-language basic patents from 2004-present
NEWS	3	NOV 26	MARPAT enhanced with FSORT command
NEWS	4	NOV 26	CHEMSAFE now available on STN Easy
NEWS	5	NOV 26	Two new SET commands increase convenience of STN searching
NEWS	6	DEC 01	ChemPort single article sales feature unavailable
NEWS	7	DEC 12	GBFULL now offers single source for full-text coverage of complete UK patent families
NEWS	8	DEC 17	Fifty-one pharmaceutical ingredients added to PS
NEWS	9	JAN 06	The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo
NEWS	10	JAN 07	WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data
NEWS	11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	12	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB 10	COMPENDEX reloaded and enhanced
NEWS	15	FEB 11	WTEXTILES reloaded and enhanced
NEWS	16	FEB 19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	18	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	19	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	20	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS EXPRESS	JUNE 27 08	CURRENT WINDOWS VERSION IS V8.3,	
		AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

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\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 16:06:16 ON 10 MAR 2009

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 16:06:31 ON 10 MAR 2009

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 9 MAR 2009 HIGHEST RN 1118246-54-0

DICTIONARY FILE UPDATES: 9 MAR 2009 HIGHEST RN 1118246-54-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

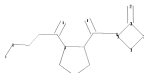
<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

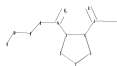
Uploading C:\Program Files\STNEXP\Queries\10544919-2.str



—



—



```

chain nodes :
6 7 8 9 10 11 12 13 15 22
ring nodes :
1 2 3 4 5 18 19 20 21
chain bonds :
3-6 4-7 6-8 6-12 7-13 7-15 8-9 9-10 10-11 20-22
ring bonds :
1-2 1-5 2-3 3-4 4-5 18-19 18-21 19-20 20-21
exact/norm bonds :
2-3 3-4 3-6 6-12 7-13 7-15 9-10 10-11 18-19 18-21 19-20 20-21 20-22
exact bonds :
1-2 1-5 4-5 4-7 6-8 8-9
isolated ring systems :
containing 1 :

```

```

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 15:CLASS 18:Atom 19:Atom 20:Atom
21:Atom 22:CLASS
fragments assigned product role:
containing 1
fragments assigned reactant/reagent role:
containing 18

```

L1 STRUCTURE UPLOADED

```

=> d l1
L1 HAS NO ANSWERS
L1 STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

```

Structure attributes must be viewed using STN Express query preparation.

```

=> file casreact
COST IN U.S. DOLLARS          SINCE FILE          TOTAL
                                ENTRY          SESSION
FULL ESTIMATED COST          0.48          0.70

```

FILE 'CASREACT' ENTERED AT 16:07:16 ON 10 MAR 2009  
 USE IS SUBJECT TO THE TERMS OF YOUR CUSTOMER AGREEMENT  
 COPYRIGHT (C) 2009 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE CONTENT:1840 - 8 Mar 2009 VOL 150 ISS 11

New CAS Information Use Policies, enter HELP USAGETERMS for details.

```
*****
*
*   CASREACT now has more than 16.5 million reactions   *
*
*****
```

CASREACT contains reactions from CAS and from: ZIC/VINITI database (1974-1999) provided by InfoChem; INPI data prior to 1986; Biotransformations database compiled under the direction of Professor Dr. Klaus Kieslich; organic reactions, portions copyright 1996-2006 John Wiley & Sons, Ltd., John Wiley and Sons, Inc., Organic Reactions Inc., and Organic Syntheses Inc. Reproduced under license. All Rights Reserved.

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s sam l1
SAMPLE SEARCH INITIATED 16:07:26 FILE 'CASREACT'
SCREENING COMPLETE -          0 REACTIONS TO VERIFY FROM          0 DOCUMENTS

100.0% DONE          0 VERIFIED          0 HIT RXNS          0 DOCS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED VERIFICATIONS:  0 TO      0
PROJECTED ANSWERS:       0 TO      0
```

L2 0 SEA SSS SAM L1 ( 0 REACTIONS)

```
=> s full l1
FULL SEARCH INITIATED 16:07:43 FILE 'CASREACT'
SCREENING COMPLETE -          46 REACTIONS TO VERIFY FROM          4 DOCUMENTS

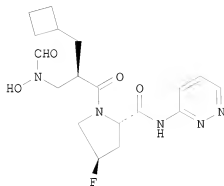
100.0% DONE          46 VERIFIED          19 HIT RXNS          3 DOCS
SEARCH TIME: 00.00.01
```

L3 3 SEA SSS FUL L1 ( 19 REACTIONS)

=> d ibib abs 1-3

L3 ANSWER 1 OF 3 CASREACT COPYRIGHT 2009 ACS on STN  
ACCESSION NUMBER: 148:332002 CASREACT  
TITLE: Practical synthesis of a peptide deformylase (PDF) inhibitor  
AUTHOR(S): Liu, Yugang; Prashad, Mahavir; Ciszewski, Lech; Vargas, Kevin; Repic, Oljan; Blacklock, Thomas J.  
CORPORATE SOURCE: Process Research and Development, Novartis Pharmaceuticals Corporation, East Hanover, NJ, 07936, USA  
SOURCE: Organic Process Research & Development (2008), 12(2), 183-191

PUBLISHER:	CODEN: OPRDFK; ISSN: 1083-6160
DOCUMENT TYPE:	American Chemical Society
LANGUAGE:	Journal
GI	English



I

AB A practical chromatog.-free synthesis of an N-formylated hydroxylamine peptide deformylase inhibitor LCD320 (I) is described. A diastereoselective Michael reaction of (4S)-3-[2-(cyclobutylmethyl)-1-oxo-2-propenyl]-4-(phenylmethyl)-2-oxazolidinone with O-benzyl hydroxylamine was used to establish the key stereogenic center. We found that traces of residual Li<sup>+</sup> from a previous step had a great impact on the diastereoselectivity of this reaction. A very efficient amidation coupling reaction of proline derivative (2S,4R)-4-fluoro-1,2-pyrrolidinedicarboxylic acid 1,1-dimethylethyl ester with weakly nucleophilic 3-pyridazinamine using methanesulfonyl chloride in the presence of 1-methylimidazole in DMF was also developed that proceeded without racemization.

REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 CASREACT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 146:184267 CASREACT

TITLE:  $\beta$ -Amino amides from  $\beta$ -lactams: application to the formal synthesis of a peptide-deformylase inhibitor

AUTHOR(S): Jiang, Xinglong; Prasad, Kapa; Prashad, Mahavir; Slade, Joel; Repic, Oljan; Blacklock, Thomas J.

CORPORATE SOURCE: Process Research & Development, Novartis Pharmaceuticals Corporation, East Hanover, NJ, 07936, USA

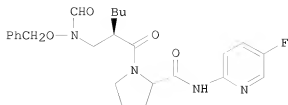
SOURCE: Synlett (2006), (18), 3179-3181  
CODEN: SYNLES; ISSN: 0936-5214

PUBLISHER: Georg Thieme Verlag

DOCUMENT TYPE: Journal

LANGUAGE: English

GI



I

AB A facile and a practical synthesis of I, an intermediate for a peptide-deformylase inhibitor, is described using an acid-catalyzed aminolysis of a  $\beta$ -lactam with a pyrrolidine derivative as the key transformation. In addition, simplified conditions for the conversion of a  $\beta$ -hydroxy acid to a  $\beta$ -lactam are reported.

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 3 CASREACT COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 140:287275 CASREACT

TITLE: Process for preparing benzyloxycarboxylpyrrolidinecarboxamides

INVENTOR(S): Kapa, Prasad Koteswara; Jiang, Xinglong; Loeser, Eric M.; Slade, Joel; Prashad, Mahavir; Lee, George Tien-San

PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.

SOURCE: PCT Int. Appl., 47 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

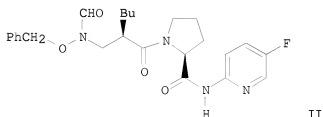
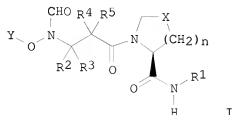
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004026824	A1	20040401	WO 2003-EP10416	20030918
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW				
RW: AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
CA 2499426	A1	20040401	CA 2003-2499426	20030918
AU 2003273404	A1	20040408	AU 2003-273404	20030918
AU 2003273404	B2	20080522		
EP 1542968	A1	20050622	EP 2003-755559	20030918
EP 1542968	B1	20081217		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003014592	A	20050809	BR 2003-14592	20030918
CN 1684945	A	20051019	CN 2003-822471	20030918
JP 2006503053	T	20060126	JP 2004-537129	20030918
NZ 538833	A	20080530	NZ 2003-538833	20030918
AT 417826	T	20090115	AT 2003-755559	20030918
ZA 2005001923	A	20050912	ZA 2005-1923	20050307
IN 2005CN00346	A	20070406	IN 2005-CN346	20050308
MX 2005003089	A	20050527	MX 2005-3089	20050318

NO 2005001867 A 20050418  
 US 20050261504 A1 20051124  
 PRIORITY APPLN. INFO.:

NO 2005-1867 20050418  
 US 2005-527628 20050525  
 US 2002-411920P 20020919  
 US 2003-480242P 20030620  
 WO 2003-EP10416 20030918

OTHER SOURCE(S): MARPAT 140:287275  
 GI



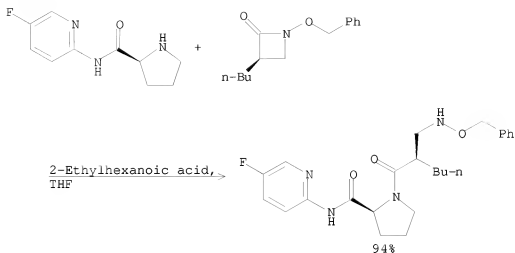
AB Title compds. I [Y = protective group; R1 = aryl, heteroaryl; R2-R5 = H, aliph; R2R3, R4R5 = alkylene; X = CH2, S, (un)substituted CH(OH), CH(SH), CF2, C:NOH, CHF; n = 0-3] were prepared for use as intermediates to prepare certain antibacterial N-formyl hydroxylamine compds. which are peptide deformylase inhibitors. Thus, HOCH2CHBuCO2H was treated with PhCH2ONH2, followed by MeSO2Cl to give MeSO3CH2CHBuCONHOCH2Ph, which was cyclized to the  $\beta$ -lactam and treated with (S)-N-(5-fluoro-2-pyridinyl)pyrrolidine-2-carboxamide, followed by formylation to give the pyrrolidine II.

REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 13 3

L3 ANSWER 3 OF 3 CASREACT COPYRIGHT 2009 ACS on STN

RX(5) OF 57



REF: PCT Int. Appl., 2004026824, 01 Apr 2004  
CON: 8 hours, room temperature -> 70 deg C

=> exit

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
136.69	137.39

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-2.34	-2.34

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STN INTERNATIONAL LOGOFF AT 16:10:21 ON 10 MAR 2009